



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

649.4701

Job Sheet 176739



Part No: 649.4701

Job Qty: 1 ea

Part Name: AW119 Cable Cutter System



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 4/30/18

Job Tracking No:

Created By: Linda Lacelle

Due Date: 5/10/18

Description:

Type: SOLD

Note: 647.4907 rev.F IPP REV:A 12.11.05 NEW ISSUE DD VERF:JLM IPP REV:B AS PER ECR 12-54 13-07-09
JLM VERIFIED BY:DD IPP REV:C 16.08.11 AS PER DWG REV.C DD VERF:JLM IPP REV:D 17.11.08 AS
PER DWG REV.E2 DD VERF:JFS IPP REV:E 18.03.28 AS PER DWG REV.F DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier			Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time		
90	Start up Operation	1 Ea		5/10/18	0.00	0.00	Start Up Stores/Pkg-1			4/20/2018
100	Packaging	1 pcs		5/10/18	0.00	0.00	Packaging1-1			MAY 17 2018
110	QC	1 pcs		5/10/18	0.00	0.00	QC4			28
120	Packaging	1 pcs		5/10/18	0.00	0.00	Packaging3-1			9-89
130	QC21-FG	1 Ea		5/10/18	0.00	0.00	QC21			DAS 53

Job BOM

JUL 16 2018

9-89

Job BOM

Part/Item	Component Name	Quantity	Operation	Container
649.490	Lower Cutter Assembly	1 Ea (1 ea)	90-Start up Operation	F 108553
649.511 Rev D	Wiper Deflector Shim	2 Ea (2 ea)	90-Start up Operation	5064173
MS2468-S62	Screw	2 Ea (2 ea)	90-Start up Operation	119830.0
MS2703-1-12	Screw	2 Ea (2 ea)	90-Start up Operation	5049832
NAS133S08KB321	Rivnut CC-558KB 321	8 Ea (8 ea)	90-Start up Operation	5091792
649.490	Upper Cutter Assembly	1 Ea (1 ea)	90-Start up Operation	F 108553
649.501	Deflector	1 Ea (1 ea)	90-Start up Operation	503787
649.5214 Rev C	Bracket	1 Ea (1 ea)	90-Start up Operation	5059211
649.5212 Rev C	Bracket	1 Ea (1 ea)	90-Start up Operation	5059207
649.4811 Rev E	Clip	1 Ea (1 ea)	90-Start up Operation	5066635
649.5012	Deflector	2 Ea (2 ea)	90-Start up Operation	5069657
649.5013	Deflector	2 Ea (2 ea)	90-Start up Operation	504908
649.5213	Doubler	2 Ea (2 ea)	90-Start up Operation	5041401
649.5011	Deflector	1 Ea (1 ea)	90-Start up Operation	504906
649.5210	Doubler	2 Ea (2 ea)	90-Start up Operation	1498641 5052341
649.4814	Doubler	2 Ea (2 ea)	90-Start up Operation	5018938
649.4816 Rev E	Doubler	1 Ea (3 ea)	90-Start up Operation	5059859
601.3493	Quick Release Pin	2 Ea (2 ea)	90-Start up Operation	5042303
649.5211	Shim	1 Ea (1 ea)	90-Start up Operation	F 108559
649.4813 Rev E	Shim	4 Ea (4 ea)	90-Start up Operation	5065140
649.4812	Shim	3 Ea (3 ea)	90-Start up Operation	5019837
649.4815	Shim	4 Ea (4 ea)	90-Start up Operation	F 1643203 5064454 x1
646.9910	Struts	4 Ea (4 ea)	90-Start up Operation	50360480 5054321 x2



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1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-6200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S076365



Part: 649.4701

Job No: 176739

Serial No/Batch: S076365

Revision: F

Inspector:

Date: 05/30/18

23
38

647.9014	Strut Bracket	8 Ea (8 ea)	90-Start up Operation	P93290
649.5110	Wiper Deflector	2 Ea (2 ea)	90-Start up Operation	P108832
649.5111 Rev D	LH Wiper Deflector	1 Ea (1 ea)	90-Start up Operation	5068528
649.5112 Rev D	RH Wiper Deflector	1 Ea (1 ea)	90-Start up Operation	5068555
AN3C12A	Bolt	8 Ea (8 ea)	90-Start up Operation	5042302
AN4C5A	Bolt	4 Ea (4 ea)	90-Start up Operation	5042301
AN4C7A	Bolt	2 Ea (2 ea)	90-Start up Operation	5042300
CR3213-5-4	Cherry Rivet	8 Ea (8 ea)	90-Start up Operation	5038754
CR3213-4-5	Rivet	24 Ea (24 ea)	90-Start up Operation	5042297
91420A230	Screw	13 Ea (13 ea)	90-Start up Operation	5042298 50467 93
NAS1832-3-7	Insert	8 Ea (8 ea)	90-Start up Operation	5042296
NAS1832-4-7	Insert	2 Ea (2 ea)	90-Start up Operation	5042295
NAS1834C3-300	Insert	2 Ea (2 ea)	90-Start up Operation	5042292
MS21042L08	Nut	9 Ea (9 ea)	90-Start up Operation	5042291
MS21042L3	Nut	22 Ea (22 ea)	90-Start up Operation	5042268
MS21042L4	Nut	4 Ea (4 ea)	90-Start up Operation	5042262
MS21059-3	Nut Plate	3 Ea (3 ea)	90-Start up Operation	5042260
MS20426AD3-5	Rivet	6 Ea (6 ea)	90-Start up Operation	5042258
MS20470AD4-5	Rivet, Universal Head	22 Ea (22 ea)	90-Start up Operation	5042256
MS20470AD5-11	Rivet	2 Ea (2 ea)	90-Start up Operation	5042255
MS24694-C57	Screw	2 Ea (2 ea)	90-Start up Operation	5042253
MS27039-1-18	Screw	4 Ea (4 ea)	90-Start up Operation	5042252 5042295
MS27039-1-14	Screw	4 Ea (4 ea)	90-Start up Operation	5042253
MS27039-08-24	Screw (MS27039-0824)	3 Ea (3 ea)	90-Start up Operation	5042251
MS27039-1-13	Screw	13 Ea (13 ea)	90-Start up Operation	5042290
MS27039-08-19	Screw	26 Ea (26 ea)	90-Start up Operation	5042288
MS27039-1-25	Screw	2 Ea (2 ea)	90-Start up Operation	5042287
MS27039-1-08	Screw	2 Ea (2 ea)	90-Start up Operation	5042287
MS27039-1-10	Screw	6 Ea (6 ea)	90-Start up Operation	5042280
AN970-3	Washer	2 Ea (2 ea)	90-Start up Operation	5042299
NAS1149F0332P	Washer	53 Ea (53 ea)	90-Start up Operation	5042251
NAS1149FN832P	Washer	18 Ea (18 ea)	90-Start up Operation	5042249
NAS1149F0432P	Washer	8 Ea (8 ea)	90-Start up Operation	5042242
NAS620C-10L	Washer	8 Ea (8 ea)	90-Start up Operation	5042245
601.2045	RTV (LOCTITE 598)	1 Ea (1 ea)	90-Start up Operation	5042215
600.1012	Sealant PR1425B2 (#654 sem)	1 pcs (1 ea)	90-Start up Operation	5056028
NAS1149F0363P	Washer	16 Ea (16 ea)	90-Start up Operation	Pm157544-25
649.4817	Shim	4 Ea (4 ea)	90-Start up Operation	5053319
649.4820 Rev E	Shim	1 Ea (1 ea)	90-Start up Operation	5064651
MS27039-08-13	Screw	12 Ea (12 ea)	90-Start up Operation	5042242
NAS1149CN832R	Washer	4 Ea (4 ea)	90-Start up Operation	5046957
MS21069-08	Anchor Nut	16 Ea (16 ea)	90-Start up Operation	5068872 5016889XN
MS20426AD3-4	Rivet	32 Ea (32 ea)	90-Start up Operation	5042227
649.4818	Shim	1 pcs (1 ea)	90-Start up Operation	5004251
649.4819 Rev E	Shim	2 Ea (2 ea)	90-Start up Operation	50646636
NAS1330S08KB106	Rivnut	8 Ea (8 ea)	90-Start up Operation	5042224
MS20426AD4-4	Rivet	4 Ea (4 ea)	90-Start up Operation	5042222
NAS9303B-5-03	Rivet	4 Ea (4 ea)	90-Start up Operation	5042221

Job Allocations

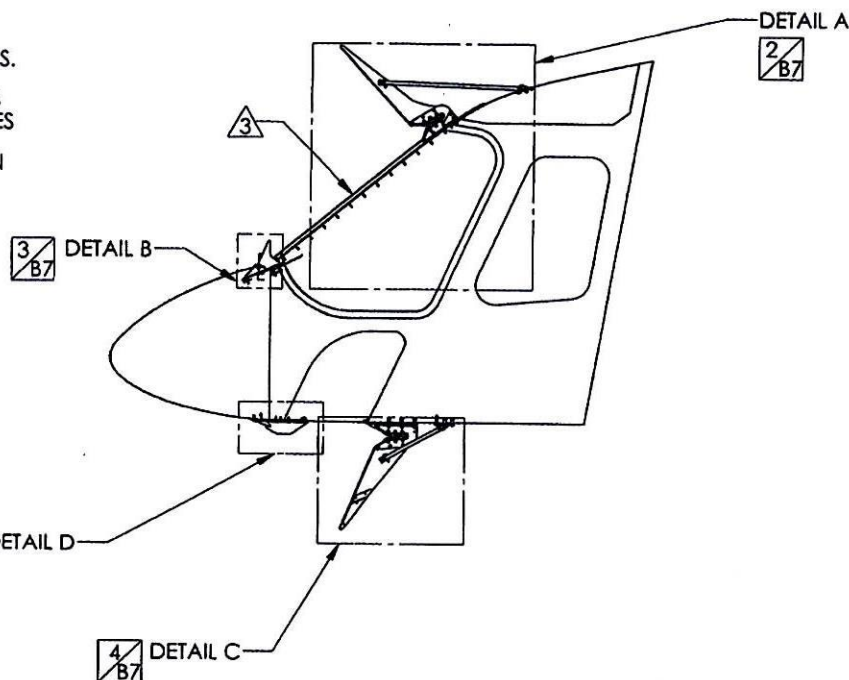
Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	600.1012	1	24	0
	601.2045	1	27	0
	601.3493	2	10	0
	646.9910	4	35	0
	647.9014	8	100	0
	649.4811	1	14	0
	649.4812	3	27	0
	649.4813	4	36	0
	649.4814	2	22	0
	649.4815	4	29	0
	649.4816	3	51	0
	649.4817	4	42	0
	649.4818	1	6	0

649.4819	2	28	0
649.4820	1	20	0
649.4901	1	6	0
649.4902	1	8	0
649.5010	1	5	0
649.5011	1	8	0
649.5012	2	8	0
649.5013	2	8	0
649.5110	2	9	0
649.5111	1	0	0
649.5112	1	0	0
649.5113	2	20	0
649.5210	2	27	0
649.5211	1	11	0
649.5212	1	15	0
649.5213	2	19	0
649.5214	1	15	0
91420A230	13	209	0
AN3C12A	8	179	0
AN4C5A	4	111	0
AN4C7A	2	69	0
AN970-3	2	172	0
CR3213-4-5	24	172	0
CR3213-5-4	8	67	0
MS20426AD3-4	32	3,564	0
MS20426AD3-5	6	8,274	0
MS20426AD4-4	4	1,118	0
MS20470AD4-5	22	3,260	0
MS20470AD5-11	2	988	0
MS21042L08	9	2,147	0
MS21042L3	22	2,110	0
MS21042L4	4	2,942	0
MS21059-3	3	348	0
MS21069-08	16	274	0
MS24694-C57	2	36	0
MS24694-S62	2	91	0
MS27039-08-13	12	381	0
MS27039-08-19	26	1,563	0
MS27039-08-24	3	147	0
MS27039-1-08	2	556	0
MS27039-1-10	6	181	0
MS27039-1-12	2	243	0
MS27039-1-13	13	385	0
MS27039-1-14	4	483	0
MS27039-1-18	4	1,334	0
MS27039-1-25	2	88	0
NAS1149CN832R	4	769	0
NAS1149F0332P	53	1,653	0
NAS1149F0363P	16	221	0
NAS1149F0432P	8	2,033	0
NAS1149FN832P	18	2,411	0
NAS1330S08KB106	8	286	0
NAS1330S08KB321	8	0	0
NAS1832-3-7	8	193	0
NAS1832-4-7	2	32	0
NAS1834C3-300	2	150	0
NAS620C-10L	8	173	0
NAS9303B-5-03	4	84	0

Part Specifications

Specifications could not be found.

- 1 APPLY F/N 62 TO FAYING SURFACES.
- 2 AFTER INSTALLATION, APPLY F/N 63 A/R TO FILL GAPS AND FILLET EDGES
- 3 MATCH DRILL HOLE ON TAB OF F/N 13 TO FIT RIVET F/N 45
- 4 REQUIRED QTY
F/N 12: 1
F/N 15: 2
F/N 17: 1
INSTALL EXTRA AS NEEDED
- 5 INSTALL ONLY IF REQUIRED
- 6 TRIM AFT EDGE AS REQUIRED



1	80	NAS1330S08 (K532)	RIVNUT	NAS1330S08K6321		8	61	601.2381	WASHER	HA5460C-10L
2	79	601.1953	SCREW	MS27039-1-12		8	60	601.2638	WASHER	NAS1149P0432P
2	78	649.5113	WIPER DEFLECTOR SHIM		⚠	18	59	601.2764	WASHER	NAS1149P-8832P
4	77	601.4085	RIVET	NAS97030S-5-03		53	58	601.1607	WASHER	NAS1149P032P
4	76	600.0846	RIVET	MS20426AD4-4		2	57	601.3470	WASHER	AN970-3
8	75	601.4084	RIVNUT	NAS1330S08K6106		6	56	601.1365	SCREW	MS27039-1-10
2	74	649.4819	SHIM			2	55	601.1621	SCREW	MS27039-1-08
1	73	649.4818	SHIM			2	54	601.3289	SCREW	MS27039-1-25
32	72	601.1710	NUTPLATE RIVET	MS20426AD3-4		26	53	601.2765	SCREW	MS27039-0819
16	71	601.4083	NUTPLATE	MS2106P08		13	52	601.3190	SCREW	MS27039-1-13
4	70	601.1869	WASHER	NAS1149C832P		3	51	601.3124	SCREW	MS27039-0824
12	69	601.2988	SCREW	MS27039-0813		4	50	601.1622	SCREW	MS27039-1-14
1	68	649.4820	SHIM		⚠	4	49	601.2910	SCREW	MS27039-1-18
4	67	649.4817	SHIM			2	48	MS24694S62	SCREW	MS24694S62
							47		DELETED	
16	66	601.3151	WASHER	NAS1149P0363P		2	46	601.3146	SCREW	MS24694C57
3	65	601.1887	NUT	MS21042-4		2	45	601.1125	RIVET	MS20470AD4S-11
	64		DELETED				44		DELETED	
1	63	600.1012	SEALANT	PR-1425 CLASS B			43		DELETED	
1	62	601.2045	RTV	LOCITE 598	⚠	22	42	601.1119	RIVET	MS20470AD4-5
4701	FIND #	PART #	DESCRIPTION	MATL	SPEC.	4701	FIND #	PART #	DESCRIPTION	MATL

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE REVISION: P#2		
N/C	INITIAL RELEASE	01-04-13	P. BRAVO
A	INCORPORATED ECH 03444, 03487	04-17-12	P. BRAVO
B	INCORPORATED ECH 03527	05-29-12	P. BRAVO
C	INCORPORATED ECH 00732, 00865, 04484, 03503	07-26-16	P. BRAVO
D	INCORPORATED ECH 00731	04-04-17	P. BRAVO
E	INCORPORATED ECH 00818	06-02-17	P. BRAVO
F	INCORPORATED ECH 00834, 00873, 00940	03-06-18	P. BRAVO

QTY	ITEM #	DESCRIPTION	UNIT	PRICE	TOTAL
6	41	601.1616	RIVET	MS2042AD-3-5	
3	40	601.1900	NUT/PLATE	MS21059-3	
1	39	601.3209	LOCKNUT	MS21042L-4	
22	38	601.1624	LOCKNUT	MS21042L3	
9	37	601.1541	LOCKNUT	MS21042L08	
2	36	601.3008	INSERT	NAS1834C3-300	
2	35	601.3468	INSERT	NAS1832-4-7	
8	34	601.3459	INSERT	NAS1832-3-7	
	33		DELETED		
13	32	601.4061	SCREW	91420A230	DN9965
	31		DELETED		
24	30	601.1183	RIVET	CR3213-4-5	
	29		DELETED		
8	28	601.2481	CHERRY RIVET	CR3213-5-4	
	27		DELETED		
2	26	601.2669	BOLT	ANMC7A	
4	25	601.3555	BOLT	ANMC5A	
8	24	601.0788	BOLT	ANMC12A	
1	23	649.5112	WIPER DEFLECTOR		
1	22	649.5111	WIPER DEFLECTOR		
2	21	649.5110	WIPER DEFLECTOR		
8	20	647.9014	STRUT BRACKET		△
4	19	646.9910	STRUT		
4	18	649.4815	SHIM		
1	17	649.4812	SHIM		△
2	16	649.5213	SHIM		
2	15	649.4813	SHIM		△
1	14	649.5211	SHIM		
2	13	601.3493	QUICK RELEASE PIN	BL388510SL6C4	△
1	12	649.4816	DOUBLER		△
2	11	649.4814	DOUBLER		
2	10	649.5210	DOUBLER		
1	9	649.5011	DEFLECTOR		
2	8	649.5013	DEFLECTOR		
2	7	649.5012	DEFLECTOR		
1	6	649.4811	CLIP		
1	5	649.5212	BRACKET		
1	4	649.5214	BRACKET		
1	3	649.5010	DEFLECTOR		
1	2	649.4902	LOWER CUTTER ASSY		
1	1	649.4901	UPPER CUTTER ASSY		
X		647.4701	A119 CABLE CUTTERS KIT		
4701	FIND #	PART #	DESCRIPTION	UNIT	PRICE

QTY	UNIT	UNIT PRICE	UNIT TOTAL	DESCRIPTION	MATERIAL	PRICE
NEXT ASSY (S)				ORIGINAL DATE (SND-DAT-18) 04-12-1978 DRAWING 1. COCHMAN 1. P. BRAVO DRAWING APPROVAL 1. BRAVO 04-12-1978 CHECKED NO. UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES 1. COCHMAN 1. P. BRAVO 2. PLACE DIMENSIONS 1.500 3. PLACE DIMENSIONS 1.500 4. PLACE DIMENSIONS 1.500 DART AEROSPACE AIRCRAFT INDUSTRIES INC. also DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA CA 92081 (760)-724-5300 A119 CABLE CUTTERS KIT		
				REV. DATE CODE DWS. NO.	649.4700	REV. DATE CODE DWS. NO.
				STAMP NAME	LAST NAME	

RE: ORDER 5958-1551- 3087

Linda Lacelle

Wed 2018-05-30 1:54 PM

To: Sonia Quirion <squirion@dartaero.com>; Chantal Chartrand <cchartrand@dartaero.com>; Caitlin Crooks <ccrooks@dartaero.com>; Jennifer Renwick <jrenwick@dartaero.com>;

Cc: Jackson Lin <jlin@dartaero.com>;

Shit – sorry guys – that is the correct P/N that has to be added...not the one I wrote- sorry

From: Sonia Quirion

Sent: Wednesday, May 30, 2018 1:38 PM

To: Chantal Chartrand <cchartrand@dartaero.com>; Linda Lacelle <llacelle@dartaero.com>; Caitlin Crooks <ccrooks@dartaero.com>; Jennifer Renwick <jrenwick@dartaero.com>

Subject: Re: ORDER 5958-1551- 3087

linda ist not the NAS1330S08KB106 but NAS1330S08kb321

From: Chantal Chartrand

Sent: May 30, 2018 1:32:50 PM

To: Linda Lacelle; Caitlin Crooks; Jennifer Renwick

Cc: Sonia Quirion

Subject: RE: ORDER 5958-1551- 3087

Re: order 1551, I am waiting for the go ahead before revising. Caitlin will let me know if the customer is ok with this.

From: Linda Lacelle

Sent: May 30, 2018 10:33 AM

To: Caitlin Crooks <ccrooks@dartaero.com>; Jennifer Renwick <jrenwick@dartaero.com>; Chantal Chartrand <cchartrand@dartaero.com>

Cc: Sonia Quirion <squirion@dartaero.com>

Subject: RE: ORDER 5958-1551- 3087

For both orders 1551 and 3087 – we will NOT be shipping the NAS1330S08KB106's

Pls add to each order

3087 x 24

1551 x 16

These are only scheduled to arrive in Aug

From: Caitlin Crooks

Sent: Monday, May 28, 2018 4:25 PM

To: Linda Lacelle <llacelle@dartaero.com>

Subject: ORDER 5958-1551- 3087

Hi Linda

A119 CCK 649.4700 Rev. F

Parts missing to complete kit ~~649.4701 S041693~~

PART NUMBER	REV	QTY
649.4816	E	1
649.5111	D	1
649.5112	D	1
649.5113	D	2
649.4811	E	1
CR3213-5-4 (601.2481)		8
MS20470AD4-5		22
MS24694S62		2
MS27039-1-18		4
MS27039-1-14		4
MS27039-1-25		2
MS27039-1-12		2
NAS1330SC8KB321		8

Parts to scrap and replace

was not in kit

PART NUMBER	QTY	ACTION TO COMPLETE
649.4813	4	Replace with Rev E
649.4811	1	Replace with Rev E
649.4819	2	Replace with Rev E
649.4820	1	Replace with Rev E
649.5212	1	Replace with Rev C
649.5214	1	Replace with Rev C

Parts to remove from kit

PART NUMBER	QTY
MS24694-S58	2
MS20470AD4-3	22
CR3213-5-3	8



Vista, July 5, 2018

Leonardo Helicopters
AgustaWestland Philadelphia Corp
3076 Red Lion Rd
Philadelphia, PA
United States

Subject: Substitution of NAS1330S08KB321 Rivnut (ref. FAA STC SR02425LA)

To Whom This May Concern:

Due to a shortage of Rivnut P/N NAS1330S08KB321, and to reduce procurement delays, this letter is issued to confirm that it is acceptable to replace Rivnut P/N NAS1330S08KB321 referred to in IIA119-3 Rev. G (F/N 80 on page 14) with Rivnut P/N CC-SS8KB321.

In all other aspects, installation, maintenance and operation of the AW119 Cable Cutters Kit P/N 649.4701 must be per FAA STC SR02425LA.

The Kits affected by this minor deviation are: 649.4701 S/Ns, S076264, S076286, S076307, S076328 and S076365.

If you have further questions or concerns, don't hesitate to contact the DART Technical Support Team by email at support.ca@dartaero.com or through the DART Aerospace website (www.dartaerospace.com)

Sincerely,

A handwritten signature in black ink, appearing to read "J. Becker".

Jacob Becker
Project Engineer
DART Aerospace – Vista, CA

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92081-8347

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